

Title (en)

LIDAR SYSTEM WITH SOLID STATE SPECTRAL SCANNING

Title (de)

LIDAR-SYSTEM MIT FESTKÖRPERSPEKTRALABTASTUNG

Title (fr)

SYSTÈME LIDAR AVEC BALAYAGE SPECTRAL À SEMI-CONDUCTEUR

Publication

EP 3987304 A1 20220427 (EN)

Application

EP 20747256 A 20200603

Priority

- US 201916449189 A 20190621
- US 2020036002 W 20200603

Abstract (en)

[origin: WO2020256942A1] A light detection and ranging (LIDAR) apparatus is provided that includes an optical source to emit a first optical beam having a first frequency and a second optical beam having a second frequency and a dispersive element to deflect the first optical beam having the first frequency at a first angle and the second optical beam having the second frequency at a second angle.

IPC 8 full level

G01S 7/481 (2006.01); **G01S 17/42** (2006.01); **G01S 17/89** (2020.01)

CPC (source: CN EP KR US)

G01S 7/4814 (2013.01 - EP KR US); **G01S 7/4816** (2013.01 - EP KR); **G01S 7/4817** (2013.01 - CN EP KR US); **G01S 7/4911** (2013.01 - KR US); **G01S 17/08** (2013.01 - CN KR US); **G01S 17/42** (2013.01 - EP KR); **G01S 17/89** (2013.01 - EP KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020256942 A1 20201224; CN 114730008 A 20220708; EP 3987304 A1 20220427; JP 2022537459 A 20220825; JP 2023160825 A 20231102; KR 20220024759 A 20220303; US 11486986 B2 20221101; US 2020400798 A1 20201224; US 2023015081 A1 20230119

DOCDB simple family (application)

US 2020036002 W 20200603; CN 202080045350 A 20200603; EP 20747256 A 20200603; JP 2021576345 A 20200603; JP 2023131949 A 20230814; KR 20227001951 A 20200603; US 201916449189 A 20190621; US 202217953387 A 20220927